



5-27-03  
RECEIVED

MAY 28 2003

TC 1700

1741

PATENT  
Attorney Docket No. 020022

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Two Electron Mixed-Valence Complexes  
Heyduk et al. : for Photocatalytic Hydrogen Production

Serial No.: 10/083,200

: Group No.: ~~1741~~

1753

Filed: February 26, 2002

:

Wong

SAH  
#5  
6.3.03

INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15222

May 23, 2003

Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

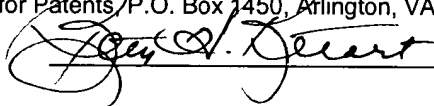
Sir:

Applicants, in accordance with their duty of disclosure pursuant to 37 C.F.R.  
§ 1.56, hereby advise the United States Patent and Trademark Office of the references  
listed on the accompanying form PTO/SB/08A *Information Disclosure Citation*. A copy  
of the references cited therein are herewith enclosed.

"Express Mail" mailing label number EU990153109US

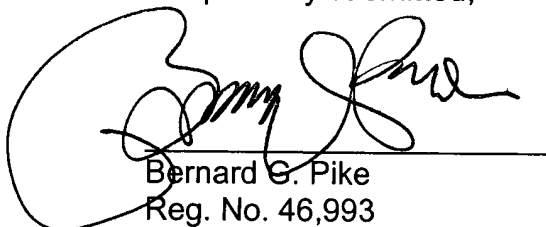
Date of Deposit May 23, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post  
Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner  
for Patents P.O. Box 1450, Arlington, VA 22313-1450



Applicants note that although the cited references may be relevant to the examination of the above-referenced application, under 37 C.F.R. § 1.97(h), the filing of this *Information Disclosure Statement* "shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b)."

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Bernard G. Pike", is written over a horizontal line.

Bernard G. Pike  
Reg. No. 46,993  
Attorney of Record

KIRKPATRICK & LOCKHART, LLP  
Henry W. Oliver Building  
535 Smithfield Street  
Pittsburgh, Pennsylvania 15222  
Ph. (412) 355-6323  
Fax (412) 355-6501



RECEIVED

MAY 28 2003

TC 1700

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)  Sheet 1 of 1		<b>Complete if Known</b>	
		Application Number	10/083,200
		Filing Date	February 26, 2002
		First Named Inventor	Heyduk
		Art Unit	1741
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	020022

<b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Heyduk, A.F., Nocera D.G.: "Hydrogen produced from hydrohalic acid solutions by a two-electron mixed valence photocatalyst" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, US., Vol. 293, 31 August 2001, pp. 1639-1641, XP002217879	
		Heyduk, A.F., Nocera D.G.: "Hydrido, halo, hydrido-halo complexes of two-electron mixed valence diiridium cores" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY AMERICAN CHEMICAL SOCIETY, WASHINGTON, D.C., US, vol. 122, 2000, pp. 9415-9426 Xp002217880	
		Heyduk, A.F., Nocera D.G.: "A novel two-electron mixed-valence Ir(II)-Ir(O) complex" CHEMICAL COMMUNICATIONS, ROYAL SOCIETY OF CHEMISTRY, GB, 1999, pp. 1519-1520, XP002217881	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.